

**Listing of the Claims:**

The following is a complete listing of all the claims in the application, with an indication of the status of each:

1. (currently amended) A composition comprising,  
~~a structured fluid selected from the group consisting of~~  
A) a reversed cubic liquid crystalline phase or ~~and~~ a reversed hexagonal liquid crystalline phase structured fluid, and a combination thereof or combinations thereof, comprising
  - i) a polar solvent,
  - ii) a lipid or a surfactant, and
  - iii) an essential oil or a dissolution/solubilization agent or both an essential oil and a dissolution/solubilization agent, said dissolution/solubilization agent being selected from the group consisting of
    - a. gentisic acid, benzoic acid, salicylic acid, N-alkylated amino acids, or a salt thereof;
    - b. a fat-soluble vitamin or a salt thereof;
    - c. amphiphilic derivatives of a water-soluble vitamin or a salt thereof;
    - d. 8-hydroxyquinoline; and
    - e. a low water-solubility amino acid or a salt thereof; and  
B) a compound solubilized ~~present in an effective amount~~ in said structured fluid, wherein said compound is otherwise less than 5% by weight soluble in soybean oil,  
wherein said polar solvent, said lipid or surfactant, and said essential or dissolution/solubilization agent each have attributes and are present in amounts sufficient to form said structured fluid with said compound solubilized therein.
2. (Canceled)
3. (Currently amended) A composition as recited in claim 1, wherein said essential or or dissolution/solubilization agent is a dissolution/solubilization agent that has
  - at least one aromatic group or
  - at least one carbon-carbon double bond or

at least one polar group  
in its molecular structure.

4. (Currently amended) A composition as recited in claim 1, wherein said essential oil or dissolution/solubilization agent is a dissolution/solubilization agent that has a polar group selected from the group consisting of: aldehyde, ketone, carboxylic ester, carboxylic acid, isocyanate, amide, acyl cyanoguanidine, acyl guanylurea, acyl biuret, N,N-dimethylamide, nitrosoalkane, nitroalkane, nitrate ester, nitrite ester, nitron, nitrosamine, pyridine N-oxide, nitrile, isonitrile, amine borane, amine haloborane, sulfone, phosphine sulfide, arsine sulfide, sulfonamide, sulfonamide methylimine, alcohol (monofunctional), ester (monofunctional), secondary amine, tertiary amine, mercaptan, thioether, primary phosphine, secondary phosphine, tertiary phosphine, carboxylate, sulfate, sulfamate, sulfonate, thiosulfate, sulfonate, phosphate, phosphonate, phosphinate, nitroamide, tris(alkylsulfonyl)methide, xanthate, ammonium, pyridinium, phosphonium, sulfonium, sulfoxonium, ammonio acetate, phosphoniopropane sulfonate, pyridinioethyl sulfate, amine oxide, phosphoryl, phosphine oxide, arsine oxide, sulfoxide, sulfoximine, sulfone diimine, and ammonio amidate.
5. (Currently amended) A composition as recited in claim 1, wherein said essential oil or dissolution/solubilization agent is a dissolution/solubilization agent that has a molecular weight from about 50 to about 500 Dalton.
6. (Currently amended) A composition as recited in claim 1, wherein said essential oil or dissolution/solubilization agent is a dissolution/solubilization agent that has a molecular weight from about 100 to about 200 Dalton.
7. (Currently amended) A composition as recited in claim 1, wherein said essential oil or dissolution/solubilization agent is a dissolution/solubilization agent that has an oil-water partition coefficient greater than about 10.
8. (Currently amended) A composition as recited in claim 1, wherein said essential oil or dissolution/solubilization agent is a dissolution/solubilization agent that has an oil-water partition coefficient greater than about 100.

9. (Currently amended) A composition as recited in claim I, wherein said essential oil or dissolution/solubilization agent is a dissolution/solubilization agent that has an oil-water partition coefficient greater than about 1000.
10. (previously presented) A composition as recited in claim 1, wherein said lipid or surfactant is a surfactant that is a pharmaceutical active is difficultly soluble in water.
11. (Original) A composition as recited in claim 1, wherein said compound is a pharmaceutical active.
12. (Original) A composition as recited in claim 11, wherein said pharmaceutical active has a solubility in water such that a single therapeutic dose of said compound requires more than 100 milliliters of water to solubilize it.
13. (Original) A composition as recited in claim 11, wherein said pharmaceutical active has a solubility in octanol such that a single therapeutic dose of said compound requires more than 10 milliliters of octanol to solubilize it.
14. (Currently amended) A composition as recited in claim 1, wherein said ~~dissolution/solubilization agent comprises an essential oil or a component thereof~~ lipid or surfactant is a surfactant that is a low HLB surfactant
15. (Currently amended) A composition as recited in claim 1, wherein said essential oil or dissolution/solubilization agent is an essential oil and is selected from allspice berry, amber essence, anise seed, arnica, balsam of peru, basil, bay leaf, bergamot, Bois de rose (rosewood), cajeput, calendula (marigold pot), white camphor, caraway seed, cardamon, carrot seed. cedarwood, celery, german or hungarian chamomile, roman or english chamomile, cinnamon, citronella, clary sage, clove or clovebud, coriander, cumin, cypress, eucalyptus, fennel, Siberian fir needle, frankincense (olibanum oil), garlic, rose geranium, ginger, grapefruit, hyssop, jasmine absolute, jojoba. juniper berry, lavender, lemon, lemongrass, lime, sweet marjoram, mugwort, mullein flower, myrrh gum, bigarade neroli, nutmeg, bitter orange, sweet orange, oregano,

patchouly, pennyroyal, black pepper, peppermint, petitgrain, pine needle, poke root, rose absolute, rosehip seed, rosemary, dalmation sage, santalwood oil, sassafras, spearmint, spikenard, spruce (hemlock), tangerine, tea tree, thuja (cedar leaf), thyme, vanilla extract, vetivert, wintergreen, witch hazel (hamamelia) extract, or ylang ylang (cananga) extract.

16. (Currently amended) A composition as recited in claim 1, wherein said essential oil or dissolution/solubilization agent is an essential oil and is selected from 2,6-dimethyl-2,4,6-octatriene; 4-propenylanisole; benzyl-3-phenylpropenoic acid; 1,7,7-trimethylbicyclo[2.2.1]heptan-2-ol; 2,2-dimethyl-3-methylenebicyclo[2.2.1]heptane; 1,7,7-trimethylbicyclo[2.2.1]heptane; trans-8-methyl-n-vanillyl-6-nonenamide; 2,2,5-trimethylbicyclo[4.1.0]hept-5-ene; 5-isopropyl-2-methylphenol; p-mentha-6,8-dien-2-ol; p-mentha-6,8-dien-2-one; beta-caryophyllene; 3-phenylpropenaldehyde; mixed geranial and neral; 3,7-dimethyl-6-octenal; 3,7-dimethyl-6-octen-1-ol; 4-allylanisole; ethyl 3-phenylpropenoic acid; 3-ethoxy-4-hydroxybenzaldehyde; 1,8-cineole; 4-allyl-2-methoxyphenol; 3,7,11-trimethyl-2,6,10-dodecatrien-1-ol; 1,3,3-trimethylbicyclo[2.2.1]heptan-2-ol; 1,3,3-trimethylbicyclo[2.2.1]heptan-2-one; trans-3,7-dimethyl-2,6-octadien-1-ol; trans-3,7-dimethyl-2,6-octadien-1-yl acetate; 3-methyl-2-(2-pentenyl)-2-cyclopenten-1-one; p-mentha-1,8-diene; 3,7-dimethyl-1,6-octadien-3-ol; 3,7-dimethyl-1,6-octadien-3-yl acetate; p-menthan-3-ol; p-menthan-3-one; methyl 2-aminobenzoate; methyl-3-oxo-2-(2-pentenyl)-cyclopentane acetate; methyl 2-hydroxybenzoate; 7-methyl-3-methylene-1,6-octadiene; cis-3,7-dimethyl-2,6-octadien-1-ol; 2,6,6-trimethylbicyclo[3.1.1]hept-2-ene; 6,6-dimethyl-2-methylenebicyclo[3.1.1]heptane; p-menth-4(8)-en-3-one; p-menth-1-en-4-ol; p-mentha-1,3-diene; p-menth-1-en-8-ol; 2-isopropyl-5-methylphenol.

17. (Currently amended) A composition as recited in claim 1, wherein said essential oil or dissolution/solubilization agent is a dissolution/solubilization agent that is selected from gentisic acid ethanolamine, tryptophan, ascorbyl palmitate, 8-hydroxyquinoline, and alpha-tocopherol.

18. (Currently amended) A composition as recited in claim 1, wherein said essential oil or dissolution agent is an essential oil and is selected from ylang ylang, clove or clovebud, cedarwood, spearmint, ginger, patchouli, santalwood, carrot seed, fir needle, peppermint and mixtures of peppermint and thyme.

19. (Currently amended) A composition as recited in claim 1, wherein said essential oil or dissolution agent is an essential oil and is selected from peppermint; spearmint; sweet basil; thyme; ginger; rosemary; fennel; sage; jasmine; and clove.
20. (Withdrawn) A composition as recited in claim 1, wherein said essential oil is selected from marjoram; palmarosa; bois de rose, oil of bay and oil of vanilla.
21. (Withdrawn) A composition as recited in claim 1, wherein said essential oil is selected from oil of bay, peppermint, thyme, sweet basil, palmarosa.
22. (Withdrawn) A composition as recited in claim 1, wherein said dissolution/solubilization agent comprises oil soluble vitamins.
23. (Withdrawn) A composition as recited in claim 1, wherein said dissolution/solubilization agent comprises a tocopherol.
24. (Withdrawn) A composition as recited in claim 1. wherein said dissolution/solubilization agent comprises alpha tocopherol.
25. (Withdrawn) A composition as recited in claim 1, wherein said dissolution/solubilization agent comprises low water solubility amino acids.
26. (Withdrawn) A composition as recited in claim 1, wherein said dissolution/solubilization agent comprises tryptophan.
27. (Currently amended) A composition comprising,  
~~a structured fluid selected from the group consisting of~~  
A) a reversed cubic liquid crystalline phase or and a reversed hexagonal liquid crystalline phase structured fluid, and a combination thereof, or combinations thereof, comprising  
    i) a polar solvent,  
    ii) a lipid or a surfactant, and

iii) an essential oil or a dissolution/solubilization agent or both an essential oil and a dissolution/solubilization agent, said dissolution/solubilization agent having

- a. at least one polar group in its molecular structure,
- b. a molecular weight from about 50 to about 500 Dalton and
- c. an octanol-water partition coefficient greater than about 10; and

B) a compound solubilized ~~present in an effective amount~~ in said structured fluid, wherein said compound is otherwise less than 5% by weight soluble in soybean oil,

wherein said polar solvent, said lipid or surfactant, and said essential or dissolution/solubilization agent each have attributes and are present in amounts sufficient to form said structured fluid with said compound solubilized therein.

28. (Canceled)

29. (Currently amended) A composition as recited in claim 27, wherein said essential oil or dissolution/solubilization agent is a dissolution/solubilization agent that has

- at least one aromatic group or
- at least one carbon-carbon double bond or
- at least one polar group

in its molecular structure.

30. (Currently amended) A composition as recited in claim 27, wherein said essential oil or dissolution/solubilization agent is a dissolution/solubilization agent that has a polar group selected from the group consisting of: aldehyde, ketone, carboxylic ester, carboxylic acid, isocyanate, amide, acyl cyanoguanidine, acyl guanylurea, acyl biuret, N,N-dimethylamide, nitrosoalkane, nitroalkane, nitrate ester, nitrite ester, nitron, nitrosamine, pyridine N-oxide, nitrile, isonitrile, amine borane, amine haloborane, sulfone, phosphene sulfide, arsine sulfide, sulfonamide, sulfonamide methylimine, alcohol (monofunctional), ester (monofunctional), secondary amine, tertiary amine, mercaptan, thioether, primary phosphine, secondary phosphine, tertiary phosphine, carboxylate, sulfate, sulfamate, sulfonate, thiosulfate, sulfonate, phosphate, phosphonate, phosphinate, nitroamide, tris(alkylsulfonyl)methide, xanthate, ammonium, pyridinium, phosphonium, sulfonium, sulfoxonium, ammonio acetate, phosphoniopropane

sulfonate, pyridinioethyl sulfate, amine oxide, phosphoryl, phosphine oxide, arsine oxide, sulfoxide, sulfoximine, sulfone diimine, and ammonio amidate.

31. (Currently amended) A composition as recited in claim 27, wherein said essential oil or dissolution/solubilization agent is a dissolution/solubilization agent that has a molecular weight from about 100 to about 200 Dalton.

32. (Currently amended) A composition as recited in claim 27, wherein said essential oil or dissolution/solubilization agent is a dissolution/solubilization agent that has an oil-water partition coefficient greater than about 10.

33. (Currently amended) A composition as recited in claim 27, wherein said essential oil or dissolution/solubilization agent is a dissolution/solubilization agent that has an oil-water partition coefficient greater than about 100.

34. (Currently amended) A composition as recited in claim 27, wherein said essential oil or dissolution/solubilization agent is a dissolution/solubilization agent that has an oil-water partition coefficient greater than about 1000.

35. (Original) A composition as recited in claim 27, wherein said compound is a pharmaceutical active.

36. (Original) A composition as recited in claim 35, wherein said pharmaceutical active is difficultly soluble in water.

37. (Original) A composition as recited in claim 35, wherein said pharmaceutical active has a solubility in water such that a single therapeutic dose of said compound requires more than 100 milliliters of water to solubilize it.

38. (Original) A composition as recited in claim 35, wherein said pharmaceutical active has a solubility in octanol such that a single therapeutic dose of said compound requires more than 10 milliliters of octanol to solubilize it.

39. (Currently amended) A composition as recited in claim 27, wherein said lipid or surfactant is a surfactant that is a low HLB surfactant ~~dissolution/solubilization agent comprises an essential oil or a component thereof.~~

40. (Currently amended) A composition as recited in claim 27, wherein said essential oil or dissolution/solubilization agent is an essential oil ~~is~~ selected from allspice berry, amber essence, anise seed, arnica, balsam of peru, basil, hay leaf, bergamot, Bois de rose (rosewood), cajeput, calendula (marigold pot), white camphor, caraway seed, cardamon, carrot seed, cedarwood, celery, german or hungarian chamomile, roman or english chamomile, cinnamon, citronella, clary sage, clovebud, coriander, cumin, cypress, eucalyptus, fennel, siberian fir needle, frankincense (olibanum oil), garlic, rose geranium, ginger, grapefruit, hyssop, jasmine absolute, jojoba, juniper berry, lavender, lemon, lemongrass, lime, sweet marjoram, mugwort, mullein flower, myrrh gum, bigarade neroli, nutmeg, bitter orange, sweet orange, oregano, patchouly, pennyroyal, black pepper, peppermint, petitgrain, pine needle, poke root, rose absolute, rosehip seed, rosemary, dalmation sage, santalwood oil, sassafras, spearmint, spikenard, spruce (hemlock), tangerinem, tea tree, thuja (cedar leaf), thyme, vanilla extract, vetivert, wintergreen, witch hazel (hamamelia) extract, or ylang ylang (cananga) extract.

41. (Currently amended) A composition as recited in claim 27, wherein said essential oil or dissolution/solubilization agent is an essential oil ~~is~~ selected from 2,6-dimethyl-2,4,6-octatriene; 4-propenylanisole; benzyl-3-phenylpropenoic acid; 1,7,7-trimethylbicyclo[2.2.1]heptan-2-ol; 2,2-dimethyl-3-methylenebicyclo[2.2.1]heptane; 1,7,7-trimethylbicyclo[2.2.1] heptane; trans-8-methyl-n-vanillyl-6-nonenamide; 2,2,5-trimethylbicyclo[4.1.0]hept-5-ene; 5-isopropyl-2-methylphenol; p-mentha-6,8-dien-2-ol; p-mentha-6,8-dien-2-one; beta-caryophyllene; 3-phenylpropenaldehyde; mixed geranial and neral; 3,7-dimethyl-6-octenal; 3,7-dimethyl-6-octen-1-ol; 4-allylanisole; ethyl 3- phenylpropenoic acid; 3-ethoxy-4-hydroxybenzaldehyde; 1,8-cineole; 4-allyl-2- methoxyphenol; 3,7,11-trimethyl-2,6,10-dodecatrien-1-ol; 1,3,3-trimethylbicyclo[2.2.1] heptan-2-ol; 1,3,3-trimethylbicyclo[2.2.1] heptan-2-one; trans-3,7-dimethyl-2,6-octadien-1-ol; trans-3,7-dimethyl-2,6-octadien-1-yl acetate; 3-methyl-2-(2-pentenyl)-2-cyclopenten-1-one; p-mentha-1,8-diene; 3,7-dimethyl-1,6-octadien-3-ol; 3,7-dimethyl-1,6-octadien-3-yl acetate; p-menthan-3-ol; p-menthan-3-one; methyl 2- aminobenzoate; methyl-3-oxo-2-(2-pentenyl)-



cyclopentane acetate; methyl 2-hydroxybenzoate; 7-methyl-3-methylene-1,6-octadiene; cis-3,7-dimethyl-2,6-octadien-1-ol; 2,6,6-trimethylbicyclo[3.1.1]hept-2-ene; 6,6-dimethyl-2-methylenebicyclo[3.1.1]heptane; p-menth-4(8)-en-3-one; p-menth-1-en-4-ol; p-mentha-1,3-diene; p-menth-1-en-8-ol; 2-isopropyl-5-methylphenol.

42. (Currently amended) A composition as recited in claim 27, wherein said essential oil or dissolution/solubilization agent is a dissolution/solubilization agent selected from gentisic acid ethanolamine, tryptophan, ascorbyl palmitate, 8-hydroxyquinoline, and alpha-tocopherol.

43. (Currently amended) A composition as recited in claim 27, wherein said essential oil or dissolution/solubilization agent is an essential oil is selected from ylang ylang, clovebud, cedarwood, spearmint, ginger, patchouli, santalwood, carrot seed, fir needle, peppermint and mixtures of peppermint and thyme.

44. (Currently amended) A composition as recited in claim 27, wherein said essential oil or dissolution/solubilization agent is an essential oil is selected from peppermint, spearmint, sweet basil, thyme, ginger, rosemary, fennel, sage, jasmine, and clove.

45. (Withdrawn) A composition as recited in claim 27, wherein said essential oil is selected from marjoram; palmarosa; bois de rose, oil of bay and oil of vanilla.

46. (Withdrawn) A composition as recited in claim 27, wherein said essential oil is selected from oil of bay, peppermint, thyme, sweet basil, palmarosa.

47. (Withdrawn) A composition as recited in claim 27, wherein said dissolution/solubilization agent comprises oil soluble vitamins.

48. (Withdrawn) A composition as recited in claim 27, wherein said dissolution/solubilization agent comprises a tocopherol.

49. (Withdrawn) A composition as recited in claim 27, wherein said dissolution/solubilization agent comprises alpha tocopherol.

50. (Withdrawn) A composition as recited in claim 27, wherein said dissolution/solubilization agent comprises low water solubility amino acids.

51. (Withdrawn) A composition as recited in claim 27, wherein said dissolution/solubilization agent comprises tryptophan.

52. (Currently amended) An internally administerable solvent system comprising ~~a structured fluid selected from~~ a reversed cubic liquid crystalline phase or ~~and~~ a reversed hexagonal liquid crystalline phase structured fluid, and a combination thereof, and or combinations thereof, in which an effective amount of a compound may be incorporated wherein said compound is otherwise less than 5% by weight soluble in soybean oil, said solvent system formed from

- a. a polar solvent,
- b. a lipid or a surfactant, and
- c. an essential oil or a dissolution/solubilization agent or both an essential oil and a dissolution/solubilization agent, said dissolution/solubilization agent being selected from
  - d. gentisic acid, benzoic acid, salicylic acid, N-alkylated amino acids, or a salt thereof;
  - e. a fat-soluble vitamin or a salt thereof;
  - f. amphiphilic derivatives of a water-soluble vitamin or a salt thereof;
  - g. 8-hydroxyquinoline; and
  - g. a low water-solubility amino acid or a salt thereof.

53. (Currently amended) An internally administerable solvent system comprising ~~a structured fluid selected from~~ a reversed cubic liquid crystalline phase or ~~and~~ a reversed hexagonal liquid crystalline phase structured fluid, and a combination thereof, and or combinations thereof, in which an effective amount of a compound may be incorporated wherein said compound is otherwise less than 5% by weight soluble in soybean oil, said solvent system formed from

- a.. a polar solvent,
- b. a lipid or a surfactant, and
- c. an essential oil or a dissolution/solubilization agent or both an essential oil and a dissolution/solubilization agent, said solubilization agent having

- i. at least one polar group in its molecular structure,
- ii. a molecular weight from about 50 to about 500 Dalton and
- iii. an octanol-water partition coefficient greater than about 10.

54-55. (Canceled)

56. (Currently amended) A composition as recited in claim 27, wherein said essential oil or dissolution/solubilization agent is a dissolution/solubilization agent that has a molecular weight from about 50 to about 500 Dalton.

57-58. (Canceled)

59. (Previously presented) The composition of claim 1, wherein said essential oil or said dissolution/solubilization agent is an essential oil.

60. (Previously presented) The composition of claim 1, wherein said essential oil or said dissolution/solubilization agent is a dissolution/solubilization agent.

61-65. (Canceled)

66. (New) A composition comprising:

A) a reversed cubic liquid crystalline phase or a reversed hexagonal liquid crystalline phase structured fluid, or combinations thereof, comprising:

- i) water;
- ii) phospholipid; and
- iii) an essential oil, and

B) a pharmaceutical active solubilized in said structured fluid, wherein said compound is otherwise less than 5% by weight soluble in soybean oil.

67. (New) A composition comprising:

A) a reversed cubic liquid crystalline phase or a reversed hexagonal liquid crystalline phase structured fluid, or combinations thereof, comprising:

- i) water;
- ii) phospholipid; and
- iii) tocopherol, and

B) a pharmaceutical active solubilized in said structured fluid, wherein said compound is otherwise less than 5% by weight soluble in soybean oil.

68. (New) An internally administrable solvent system comprising a reversed cubic liquid crystalline phase or a reversed hexagonal liquid crystalline phase structured fluid or combinations thereof, in which an effective amount of a compound may be incorporated wherein said compound is otherwise less than 5% by weight soluble in soybean oil, said solvent system formed from

- a. water,
- b. phospholipid, and
- c. an essential oil or tocopherol.

69. (New) A composition comprising:

A) a reversed cubic liquid crystalline phase or a reversed hexagonal liquid crystalline phase structured fluid, or combinations thereof, comprising:

- i) water;
- ii) low HLB poloxomer; and
- iii) an essential oil or tocopherol, and

B) a pharmaceutical active solubilized in said structured fluid, wherein said compound is otherwise less than 5% by weight soluble in soybean oil.